

DYNAMIC MEASUREMENT OF HEAD MEDIA SPACING MODULATION
ABSTRACT OF THE DISCLOSURE

The present invention is a novel method and apparatus for determining head media modulation in a magnetic data storage and retrieval system. The magnetic data storage and retrieval system includes a magnetic disc with a stored signal and a transducing head for reading a readback signal based on the stored data. The system includes a data acquisition and processing circuit. The processing circuit generates a dynamic harmonic ratio for the readback signal. The processing circuit also generates a head media modulation signal as a function of time from the dynamic harmonic ratio.